

Abstract

The electrode test strip is used with an electrochemical sensor for measuring an analyte in an aqueous sample, e.g., glucose in blood. The electrode strip includes an elongated electrode support, a first and second electrode on the support, a slotted dielectric layer, a screen and a slotted cover layer, all disposed atop each and atop the electrodes in the support. The dielectric layer and the cover layer are typically adhesively attached (the adhesive layers further define the slot). The slot is open to the terminal end of the test strip and the cover. The screen, interposed in the slot, has a porosity between 10%-40% to control analyte flow and volume in the slot and over the test area defined by electrode legs. Further refinements include utilizing a surfactant on the screen.

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